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Please insert the attached sequence listing pages beginning with new page 21, and renumber the claims pages accordingly.

IN THE CLAIMS

Please substitute the following amended claims for corresponding claims previously presented. A copy of the amended claims showing current revisions is attached.

1. (Amended) An enzyme having AHOY-type activity which includes amino acids 177 to 314 of the amino acid sequence of Figure 1 (SEQ ID NO:1), or a functional portion or functional equivalent of said enzyme.

2. (Amended) An enzyme according to claim 1 which comprises amino acids 183 to 614 of the amino acid sequence of Figure 1 (SEQ ID NO:1).

3. (Amended) An enzyme according to claim 1 which comprises amino acids 1 to 614 of the amino acid sequence of Figure 1 (SEQ ID NO:1).

4. (Amended) A DNA sequence according to claim 4 in which sequence (a) comprises nucleotides 529 to 945 of the Figure 1 (SEQ ID NO:1) sequence.

C13 7. (Amended) A DNA sequence according to claim 4 in which sequence
(a) comprises nucleotides 1 to 1844 of the Figure 1 (SEQ ID NO:1) sequence.

C14 18. (Amended) An optionally labelled nucleic acid probe capable of
hybridising under high stringency, to a nucleotide sequence of Figure 1
(SEQ ID NO:1).